

Paragraph beginning at line 22 of page 15 has been amended as follows:

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ad One practical application of the ability of the invention to detect spontaneous emission of microwave energy from matter and thereby the presence of chemicals at a distance in their ground state at room temperature, is described below. The substance chosen for investigation was hydrazine sulfate, a reactive nitrogenous compound known to be an environmental and workplace hazard implicated in tissue toxicity and carcinogenesis (refs. Wi76, Do80, FO86). The chemical instability of hydrazine sulfate presents explosive hazards in its legitimate use as a rocket fuel (ref. Wi76) while the same properties have raised fears that hydrazine sulfate might be added to terrorist armamentaria. Detection and identification of hydrazine sulfate and its derivatives in ambient air at low levels has proven difficult (ref. FO86).

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